



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Wednesday December 15, 2021

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to www.weather.gov/srh.



NWSSouthern

www.weather.gov/srh



Summary of the Upcoming Week

- **Critical to extreme fire weather conditions (much above normal temperatures, very strong winds and dry fuels) today across E NM, TX/OK Panhandles and W OK.**
- **Damaging winds, power outages, & hazardous travel with wind gusts in excess of 70 mph today across much of NM, TX/OK Panhandles, & NW OK.**
- **Hazardous travel due to patchy blowing snow continues today across the higher terrain of N NM.**
- **Isolated severe thunderstorms today across NE OK and NW AR and Thursday across AR into the Arklatex and NE TX.**
- **Isolated heavy rainfall/flash flooding on Thursday and Friday across AR into the Arklatex.**



FEMA Region 6 Threat Matrix

Dec 15, 2021 - Dec 19, 2021

DAY / THREAT	Wed	Thu	Fri	Sat	Sun
Severe Storms	NE OK NW AR	AR/Arklatex/NETX			
Heavy Rain / Flash Flooding		AR/Arklatex	AR/Arklatex		
Fire Weather	OK Panhandle NTX Panhandle				
	E NM, TX Panhandle W OK				
Winds	NM TX/OK Panhandles NW OK				
Winter Weather	N NM				
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

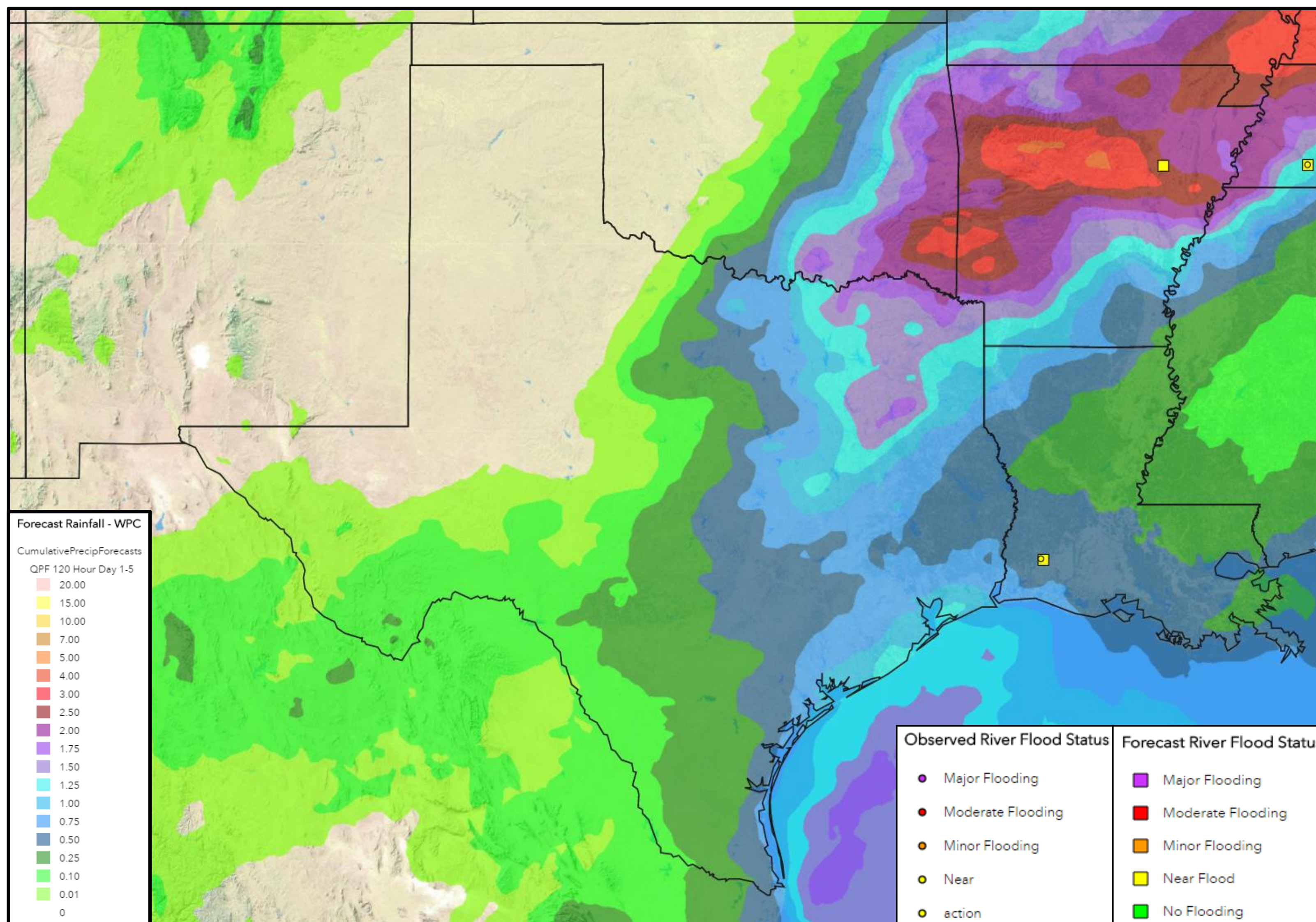
Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.



5-Day Precipitation Forecast & River Flood Status

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



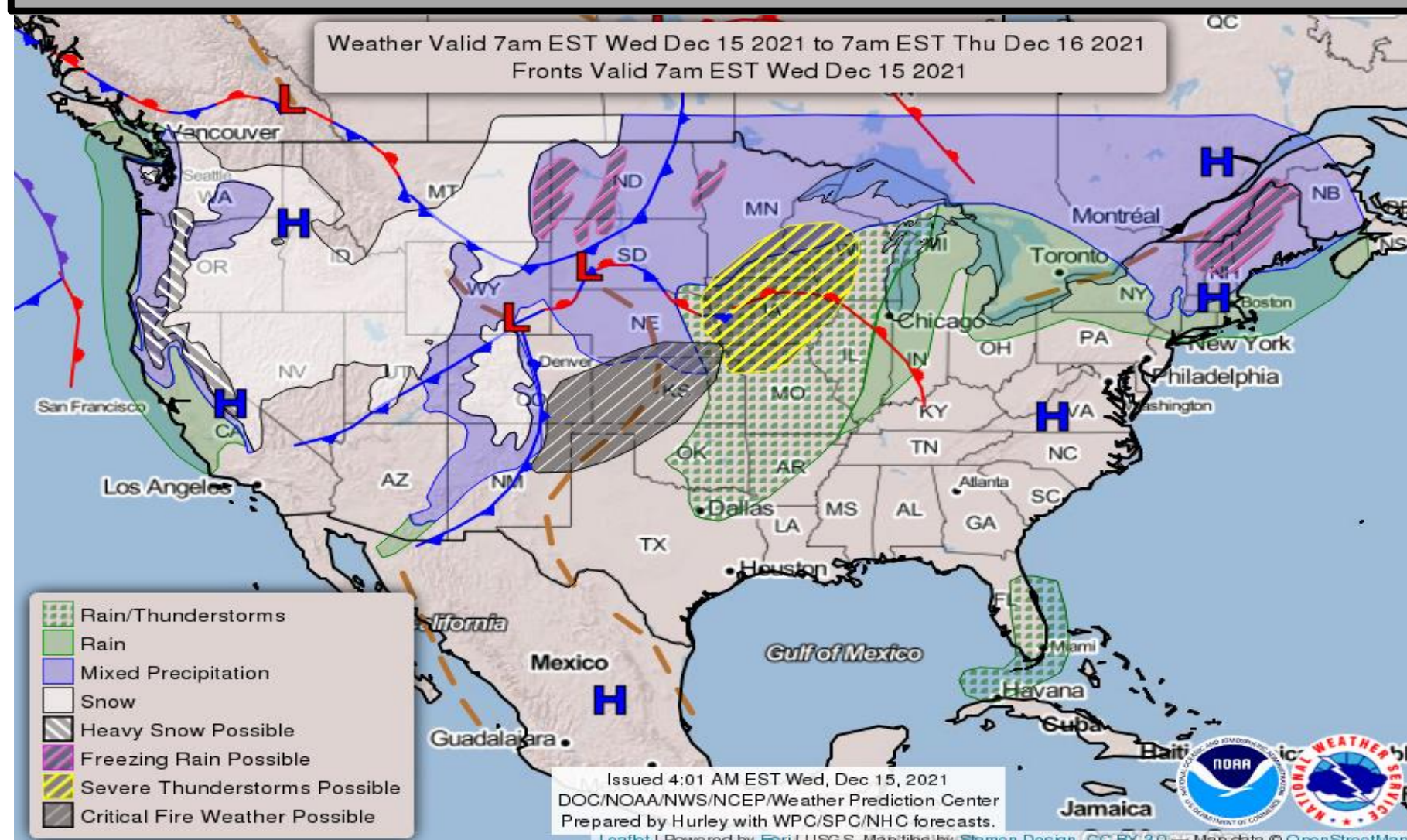
No significant river flooding expected.

<http://water.weather.gov/ahps> for latest river flooding

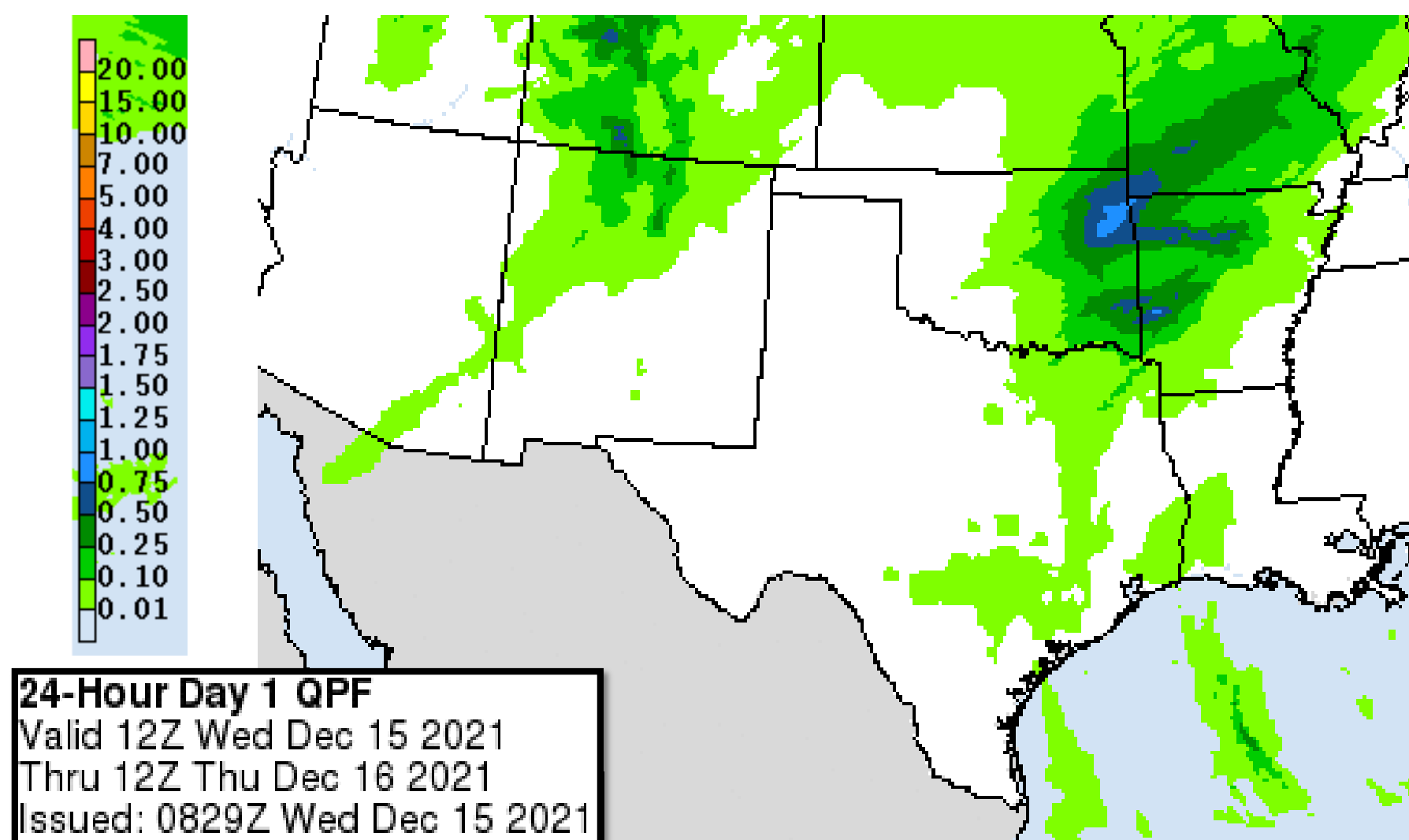


Today's Weather

Forecast Chart



Forecast Rainfall

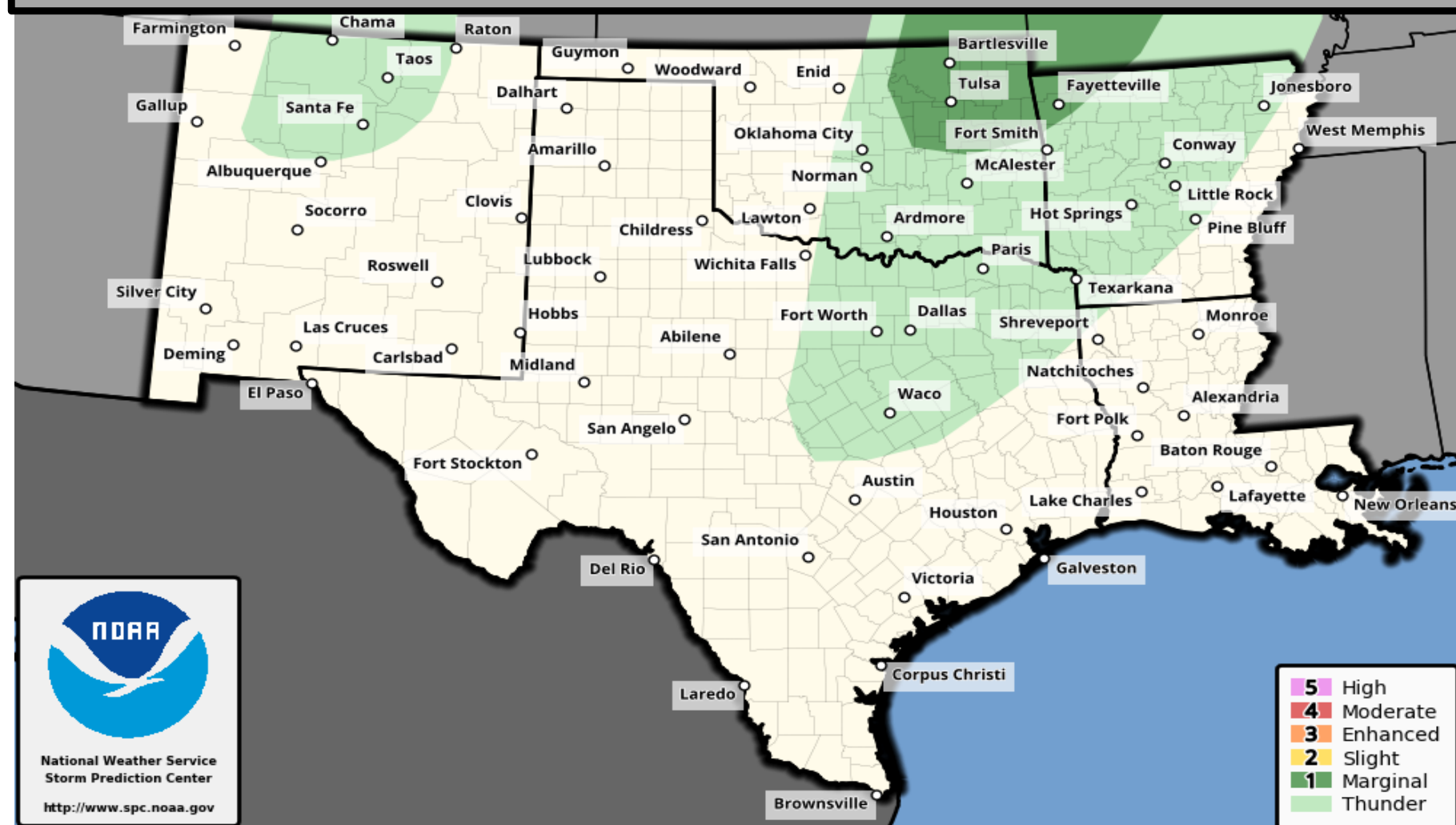


Damaging winds, power outages, & hazardous travel with wind gusts in excess of 70 mph today across much of NM, TX/OK Panhandles, & NW OK.

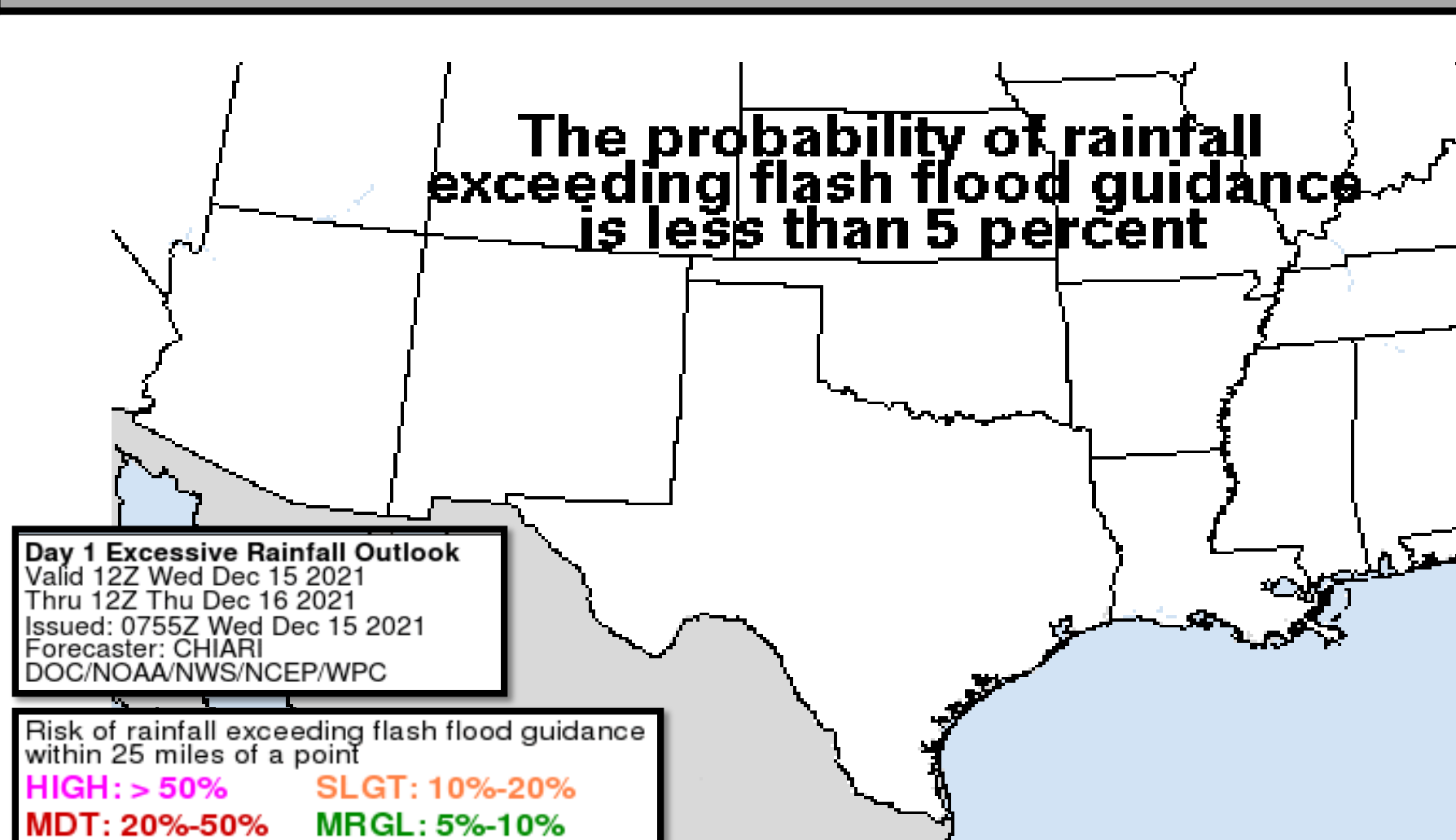
Isolated strong/severe thunderstorms with damaging wind gusts possible across NE OK/NW AR.

Hazardous travel due to patchy blowing snow continues today across the higher terrain of N NM.

Severe Weather Outlook



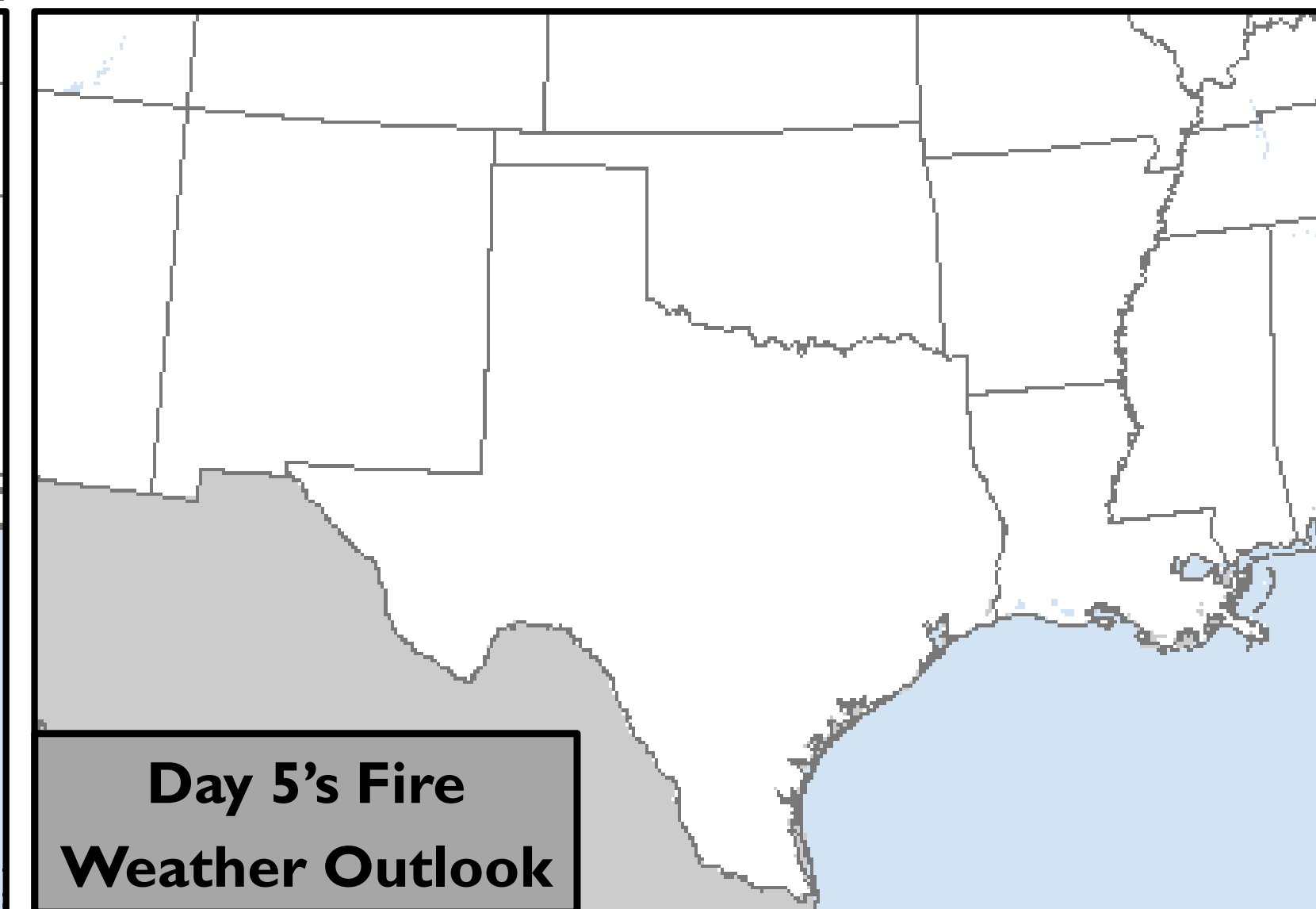
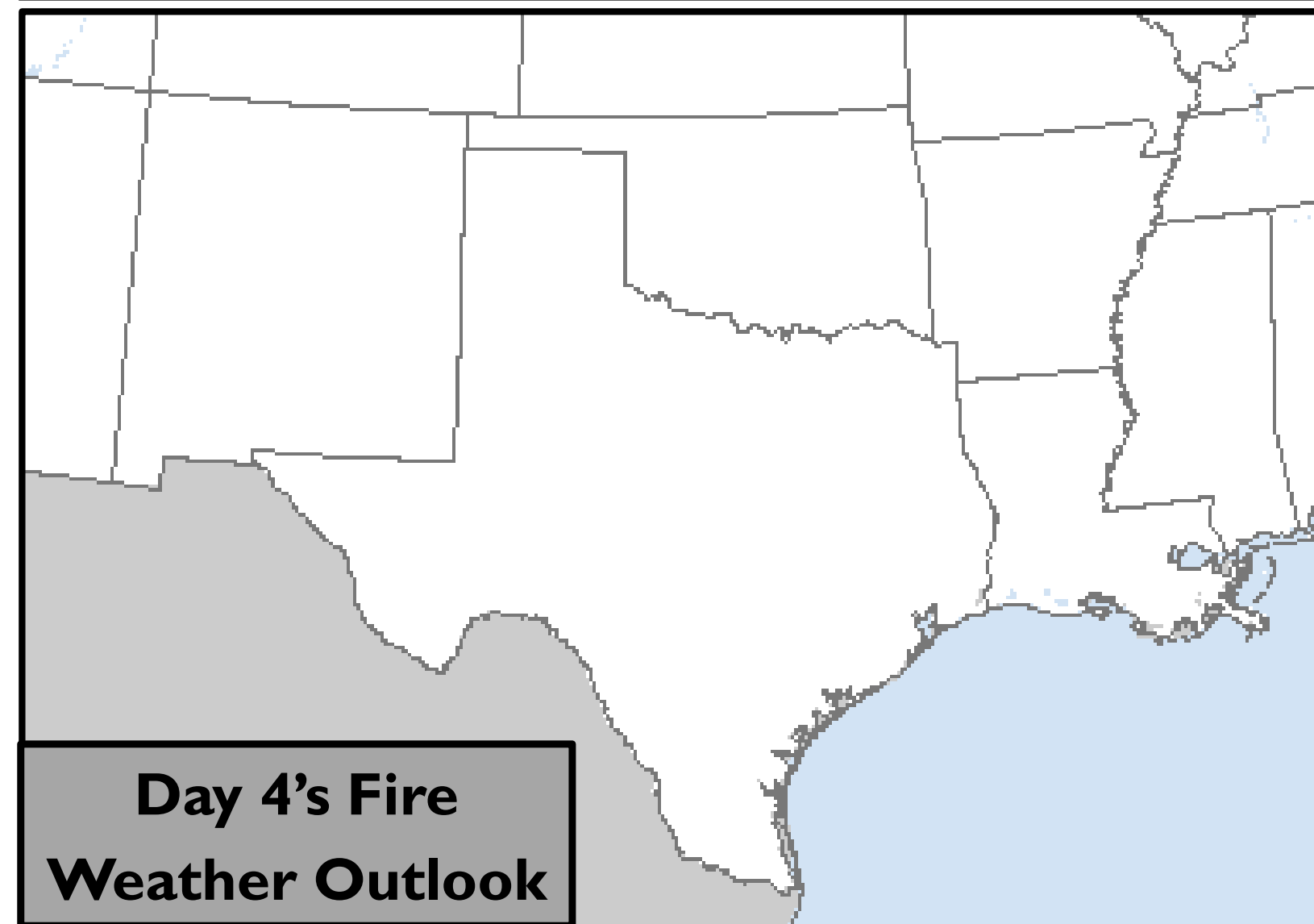
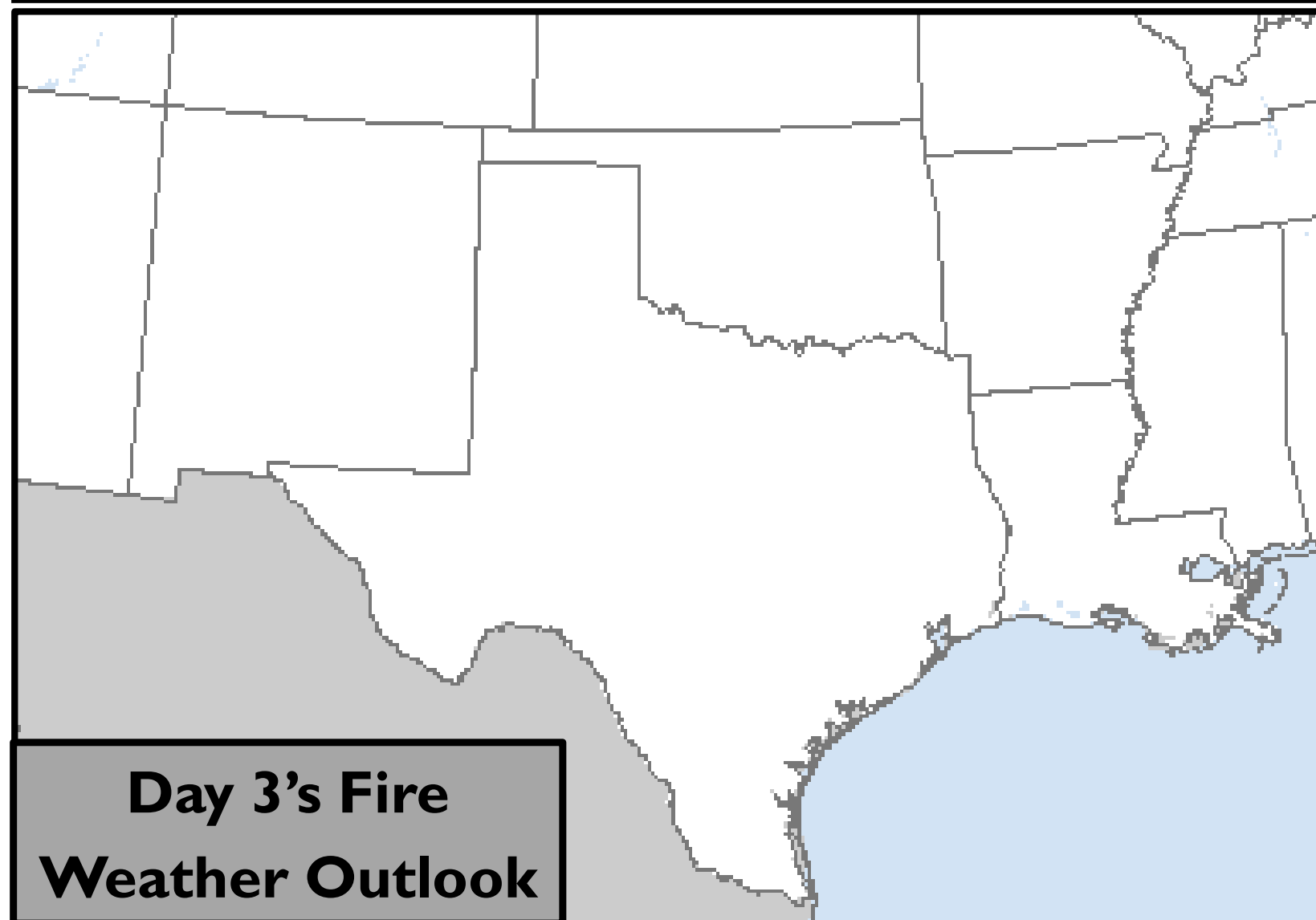
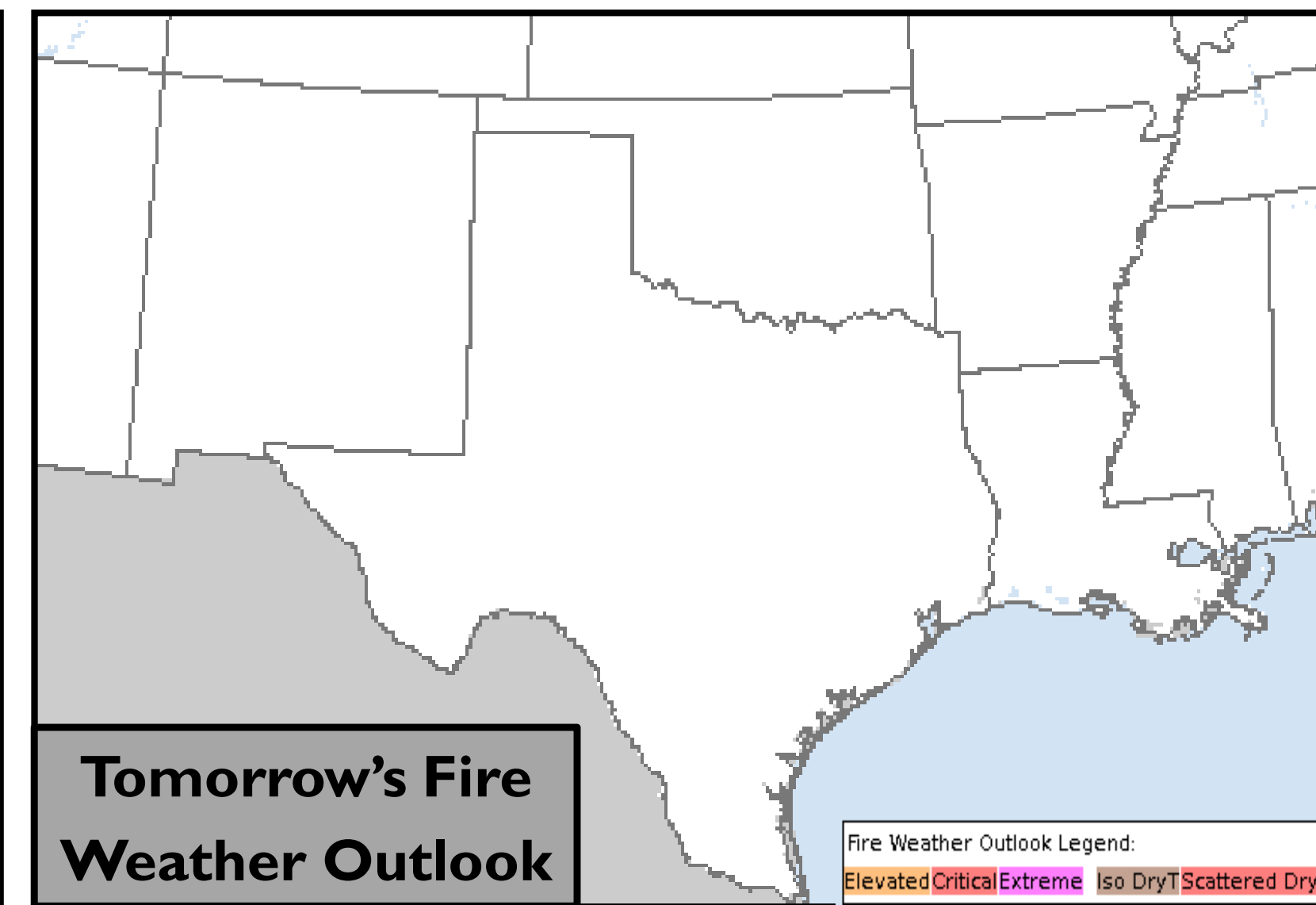
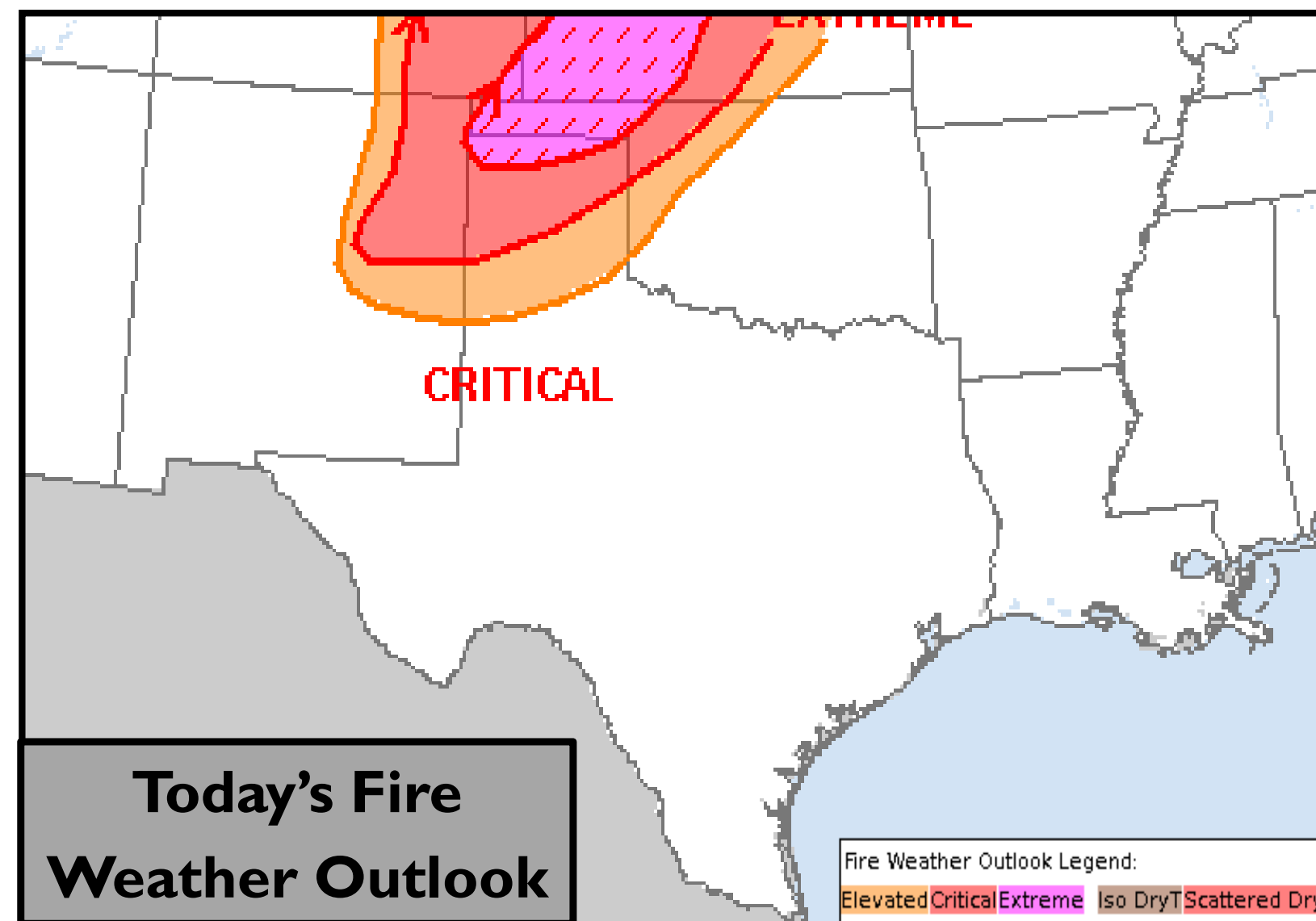
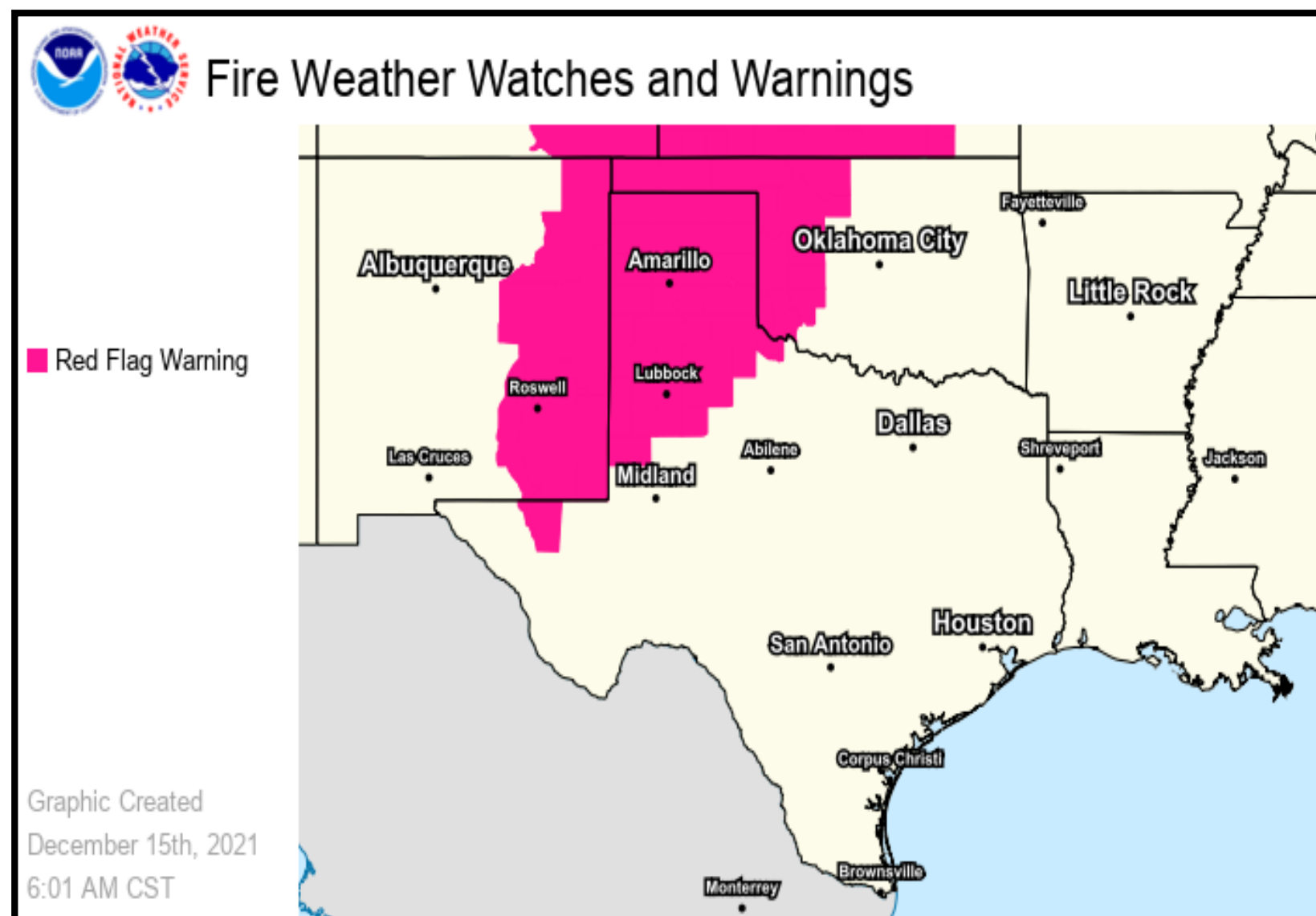
Excessive Rainfall Outlook





Fire Weather Outlooks

Note: Days 3-5 only highlight critical areas

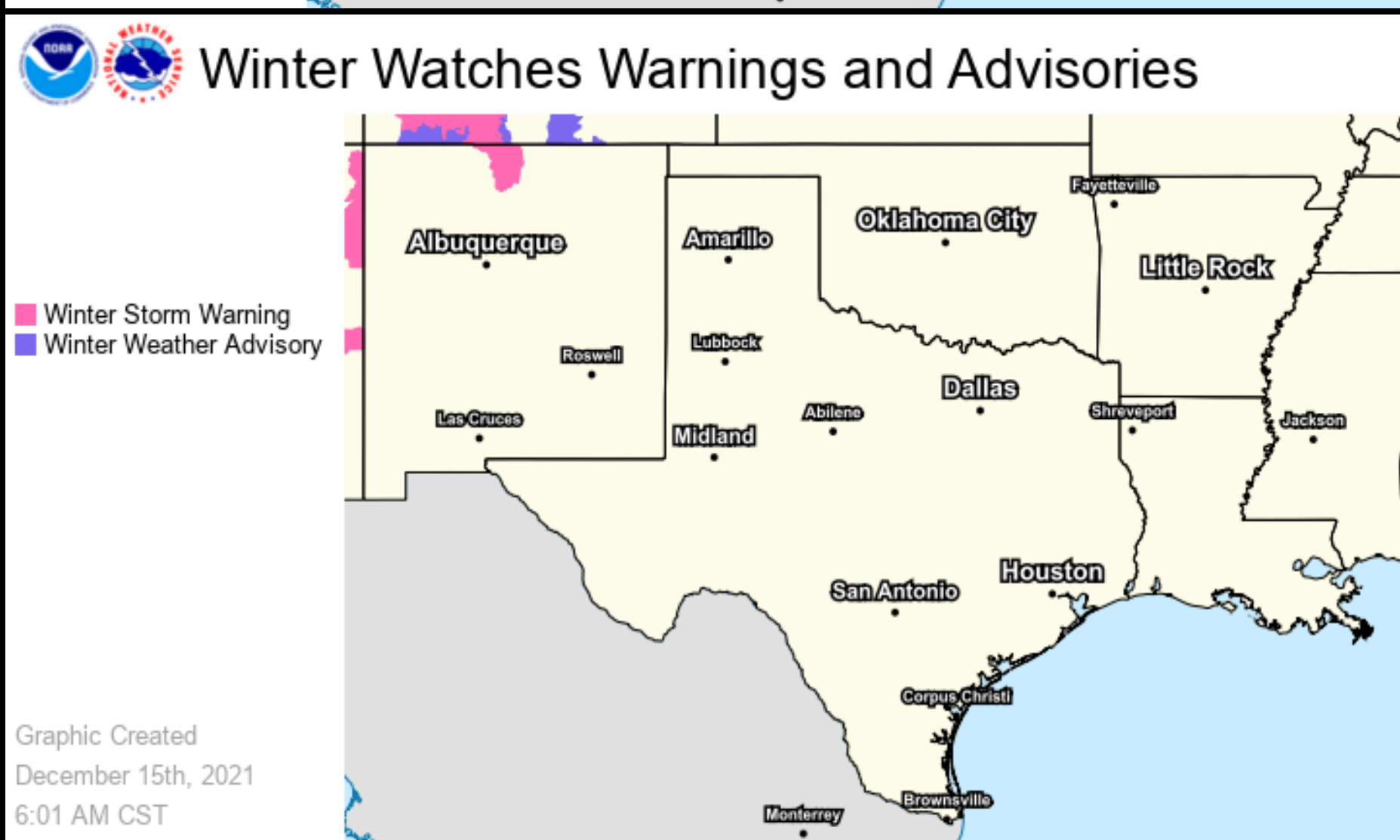
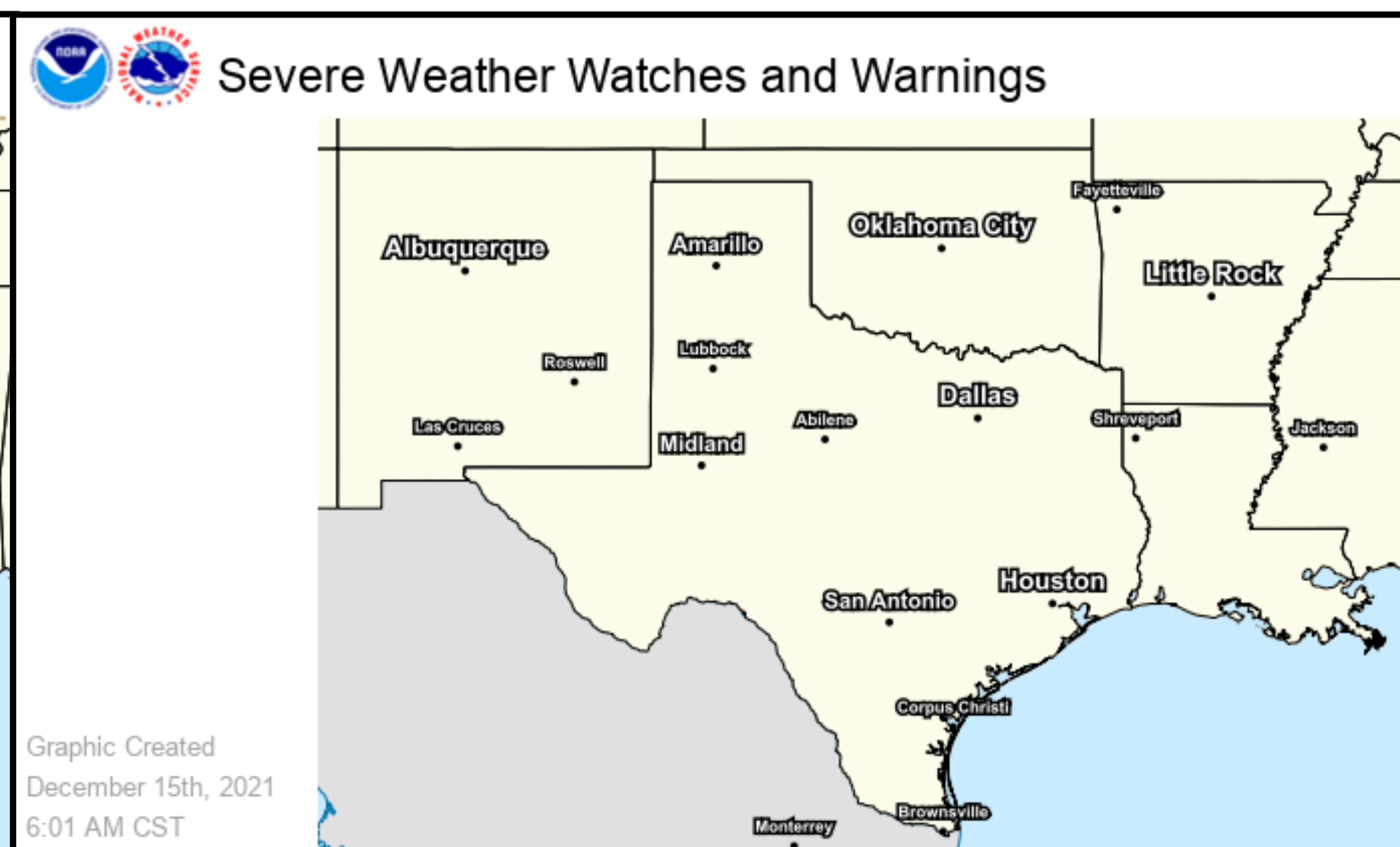
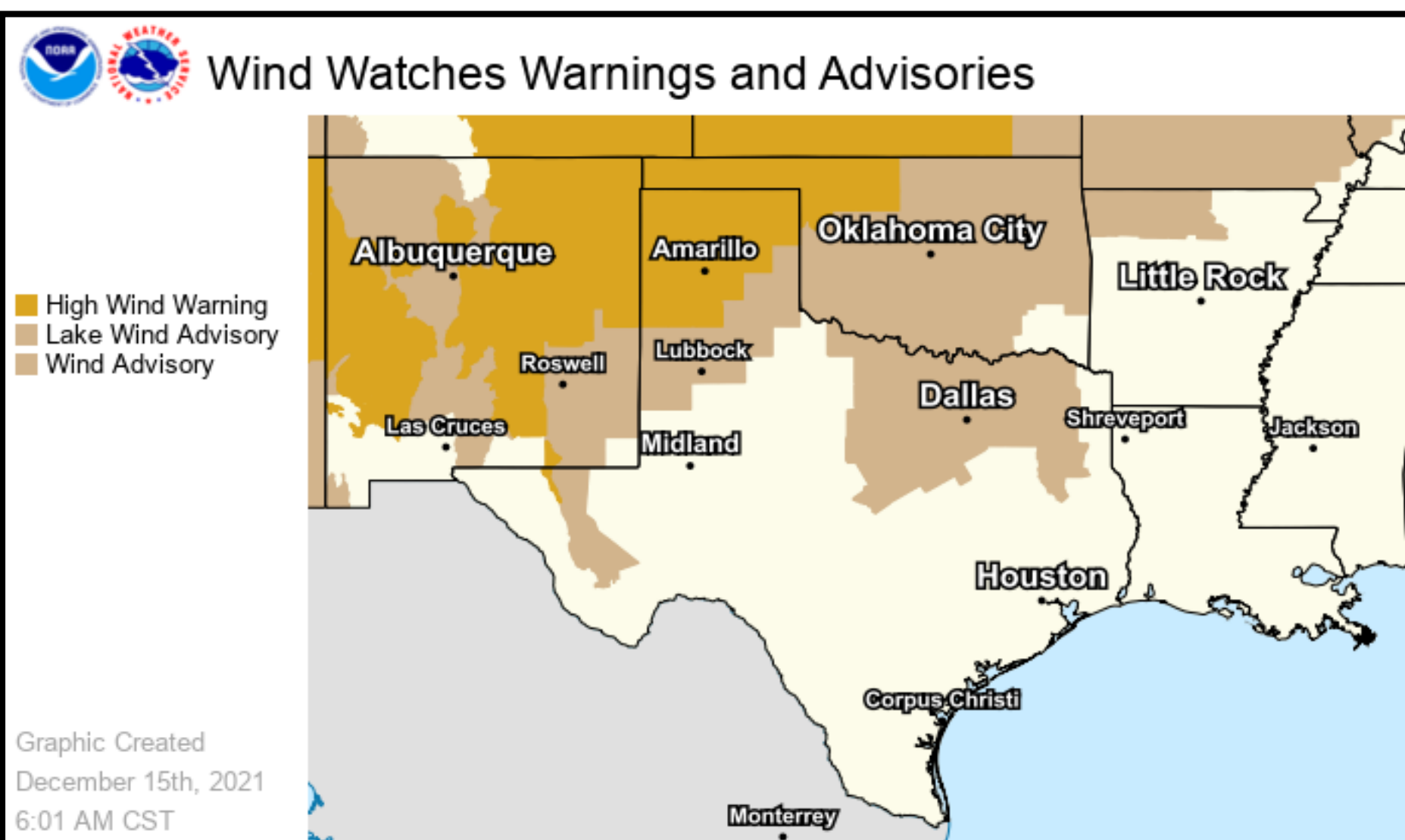




Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards

High Wind Warnings today across much of NM, the TX/OK Panhandles, and NW OK. Impacts: Damaging winds, power outages, & hazardous travel.





Winter Weather

Wednesday - Friday

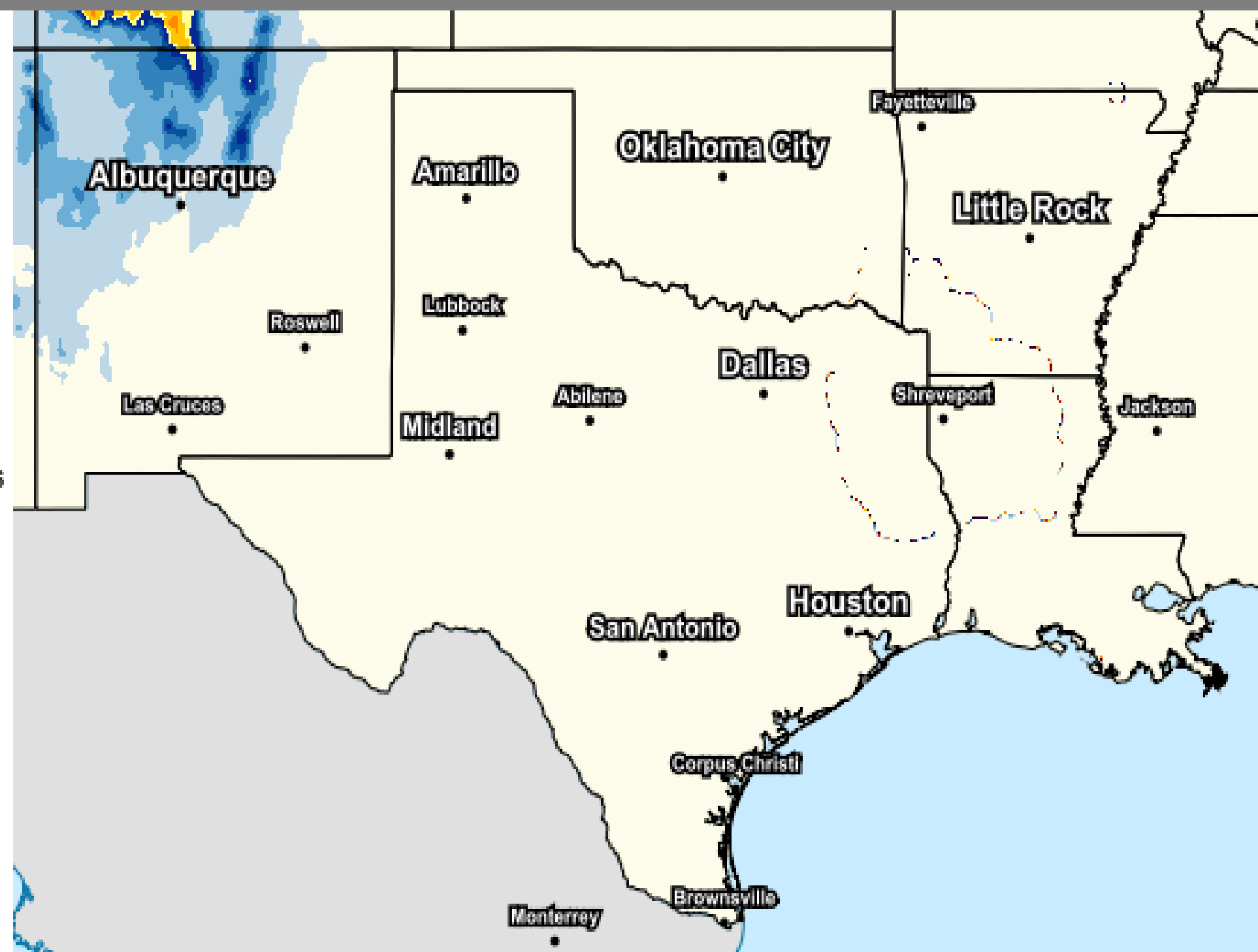
Forecast Snow Amounts



Forecast Snowfall

Valid Ending Saturday December 18th, 2021 at 6 AM CST

- Less than an inch
- 1 to 2 inches
- 2 to 3 inches
- 3 to 4 inches
- 4 to 6 inches
- 6 to 8 inches
- 8 to 12 inches
- 12 to 18 inches
- 18 to 24 inches
- 24 to 30 inches
- 30 to 36 inches
- Greater than 36 inches



Graphic Created
December 15th, 2021
5:21 AM CST

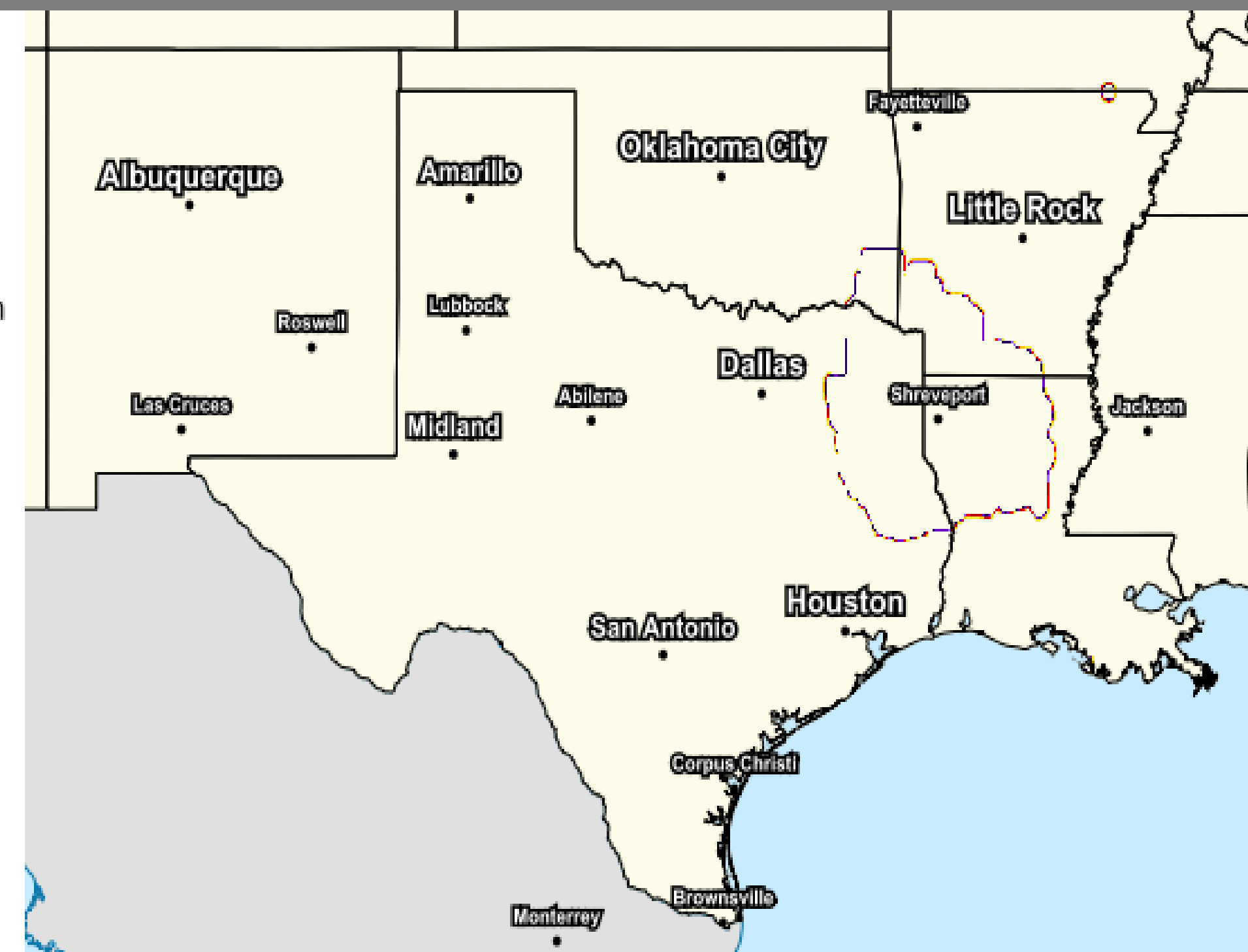
Forecast Ice Amounts



Ice Accumulation Forecast

Valid Ending Saturday December 18th, 2021 at 6 AM CST

- 0.01 to 0.10 inch
- 0.10 to 0.25 inch
- 0.25 to 0.50 inch
- 0.50 to 0.75 inch
- 0.75 to 1.0 inch
- 1.0 to 2.0 inch
- Greater than 2.0 inch

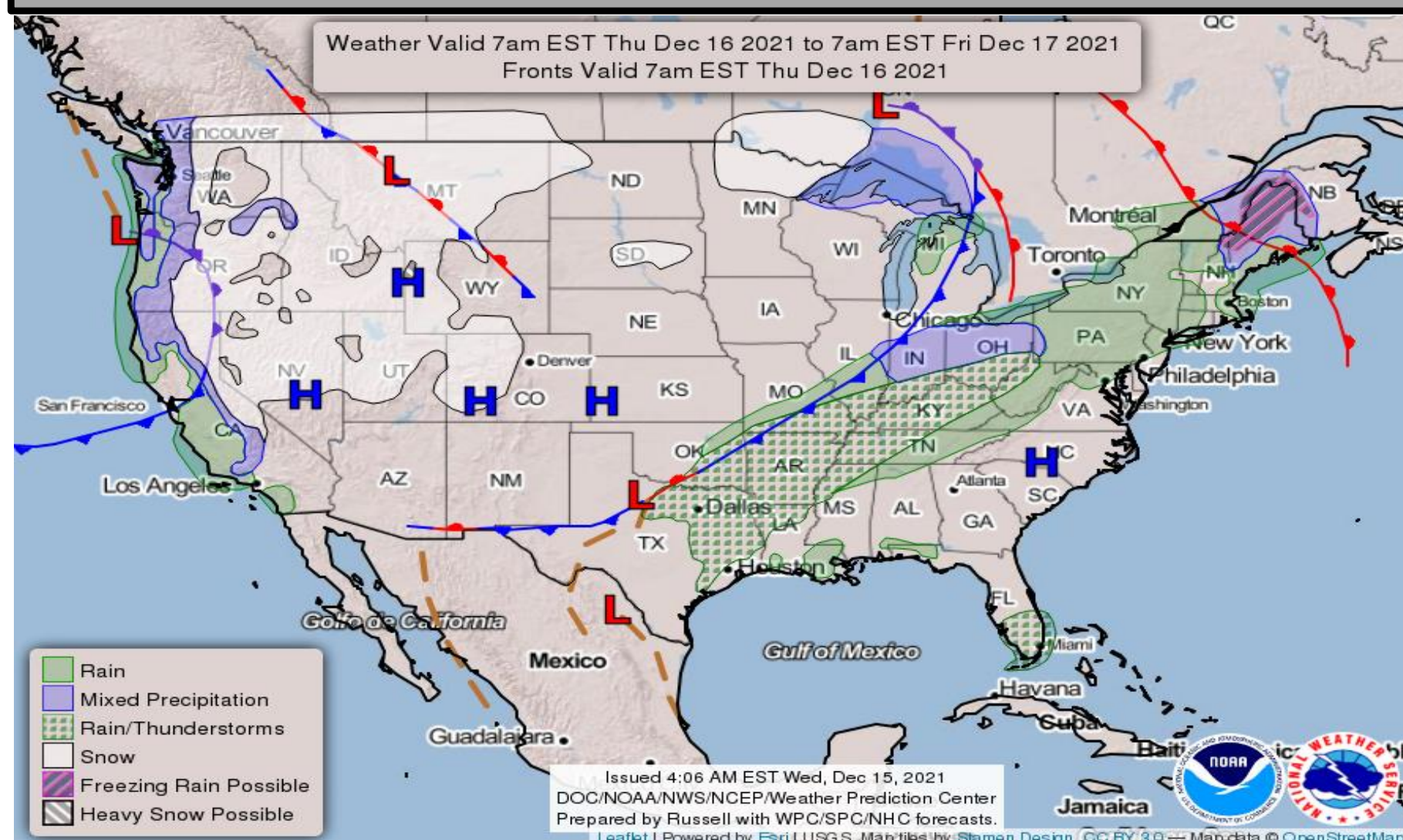


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5:21 AM CST

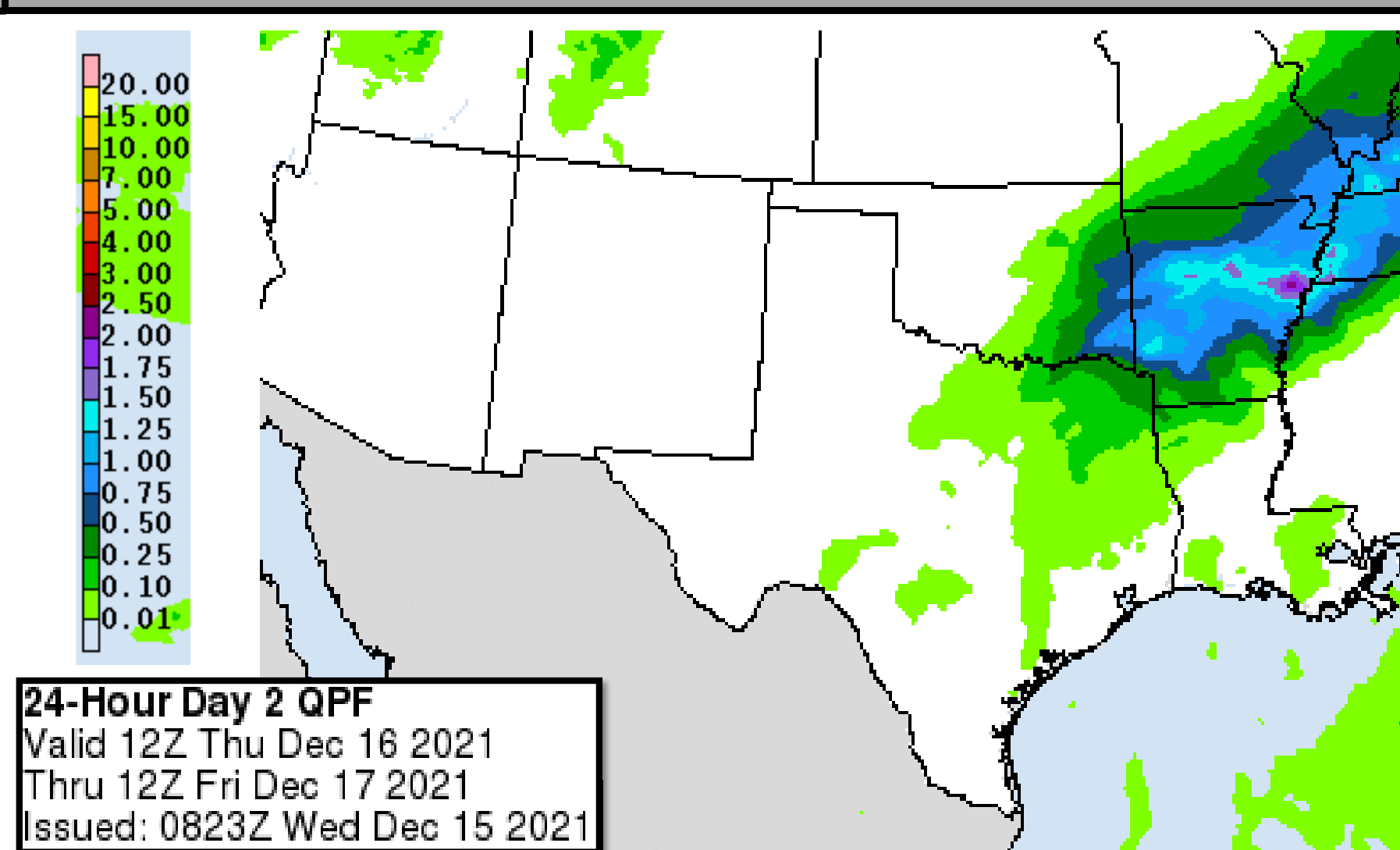


Tomorrow's Weather

Forecast Chart



Forecast Rainfall

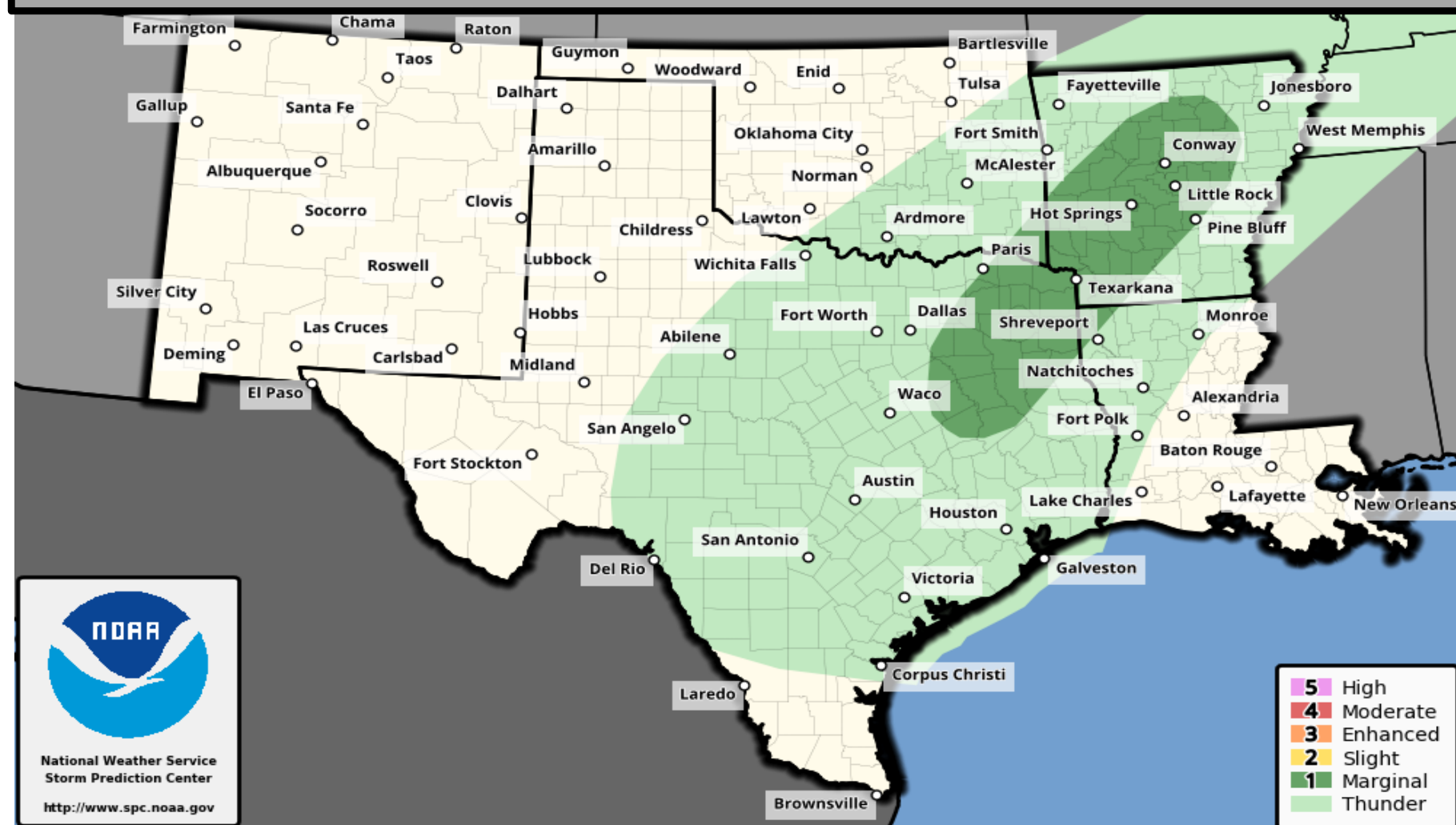


Isolated severe thunderstorms across AR into the Arklatex and NE TX. Damaging winds/hail are the main threats.

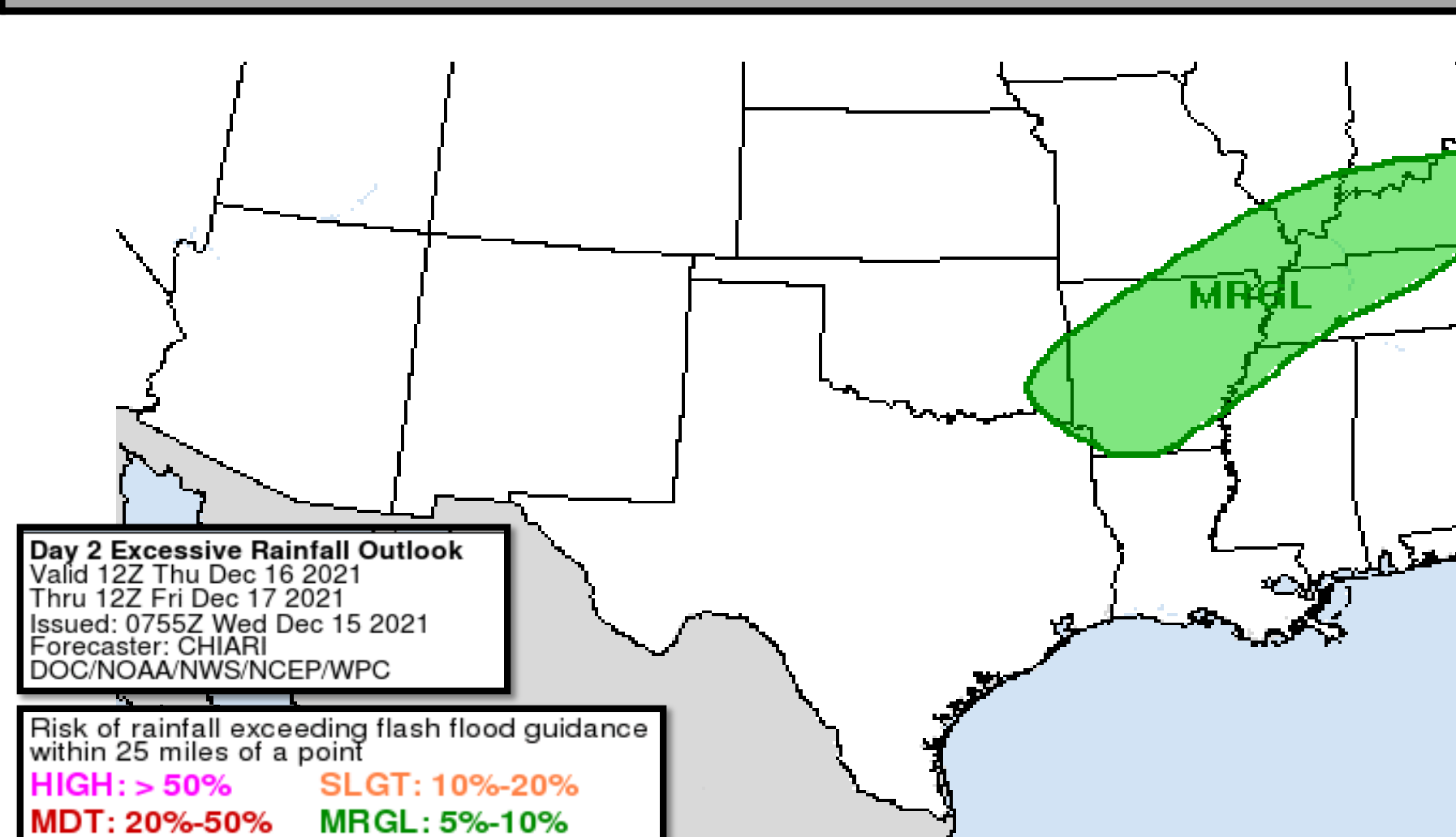
A tornado or two is possible.

Isolated heavy rainfall and flash flooding across AR into the Arklatex.

Severe Weather Outlook



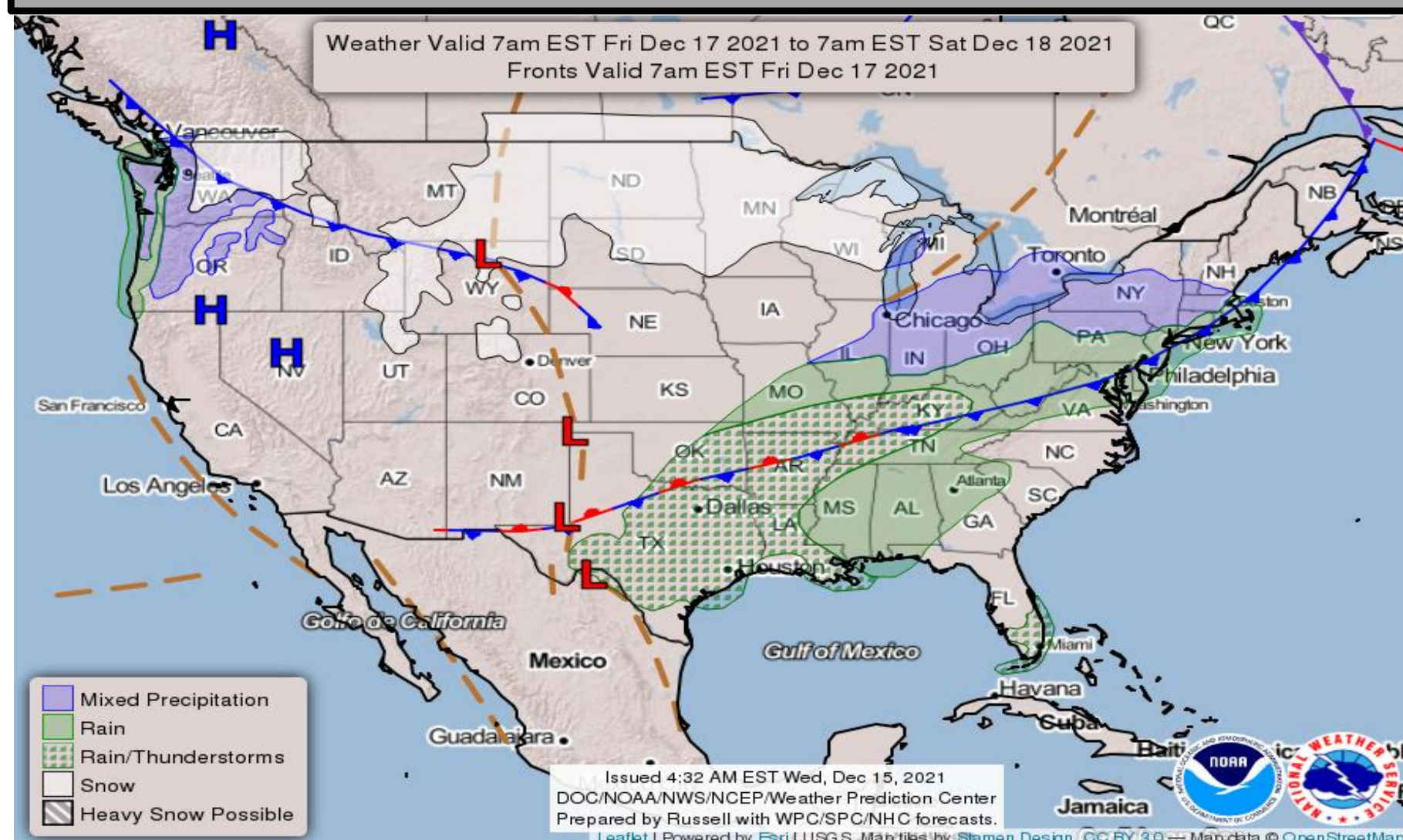
Excessive Rainfall Outlook



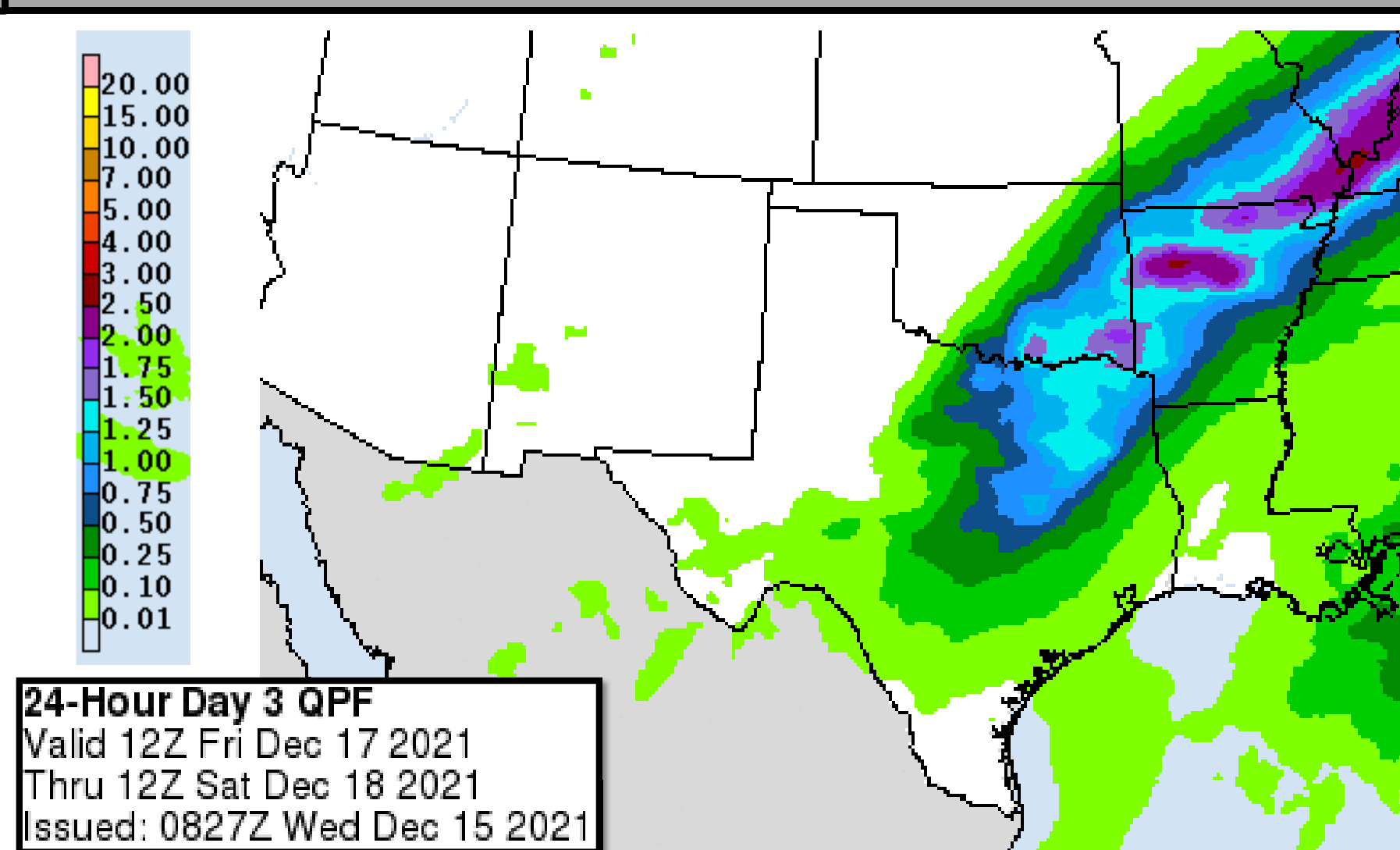


Friday's Weather

Forecast Chart

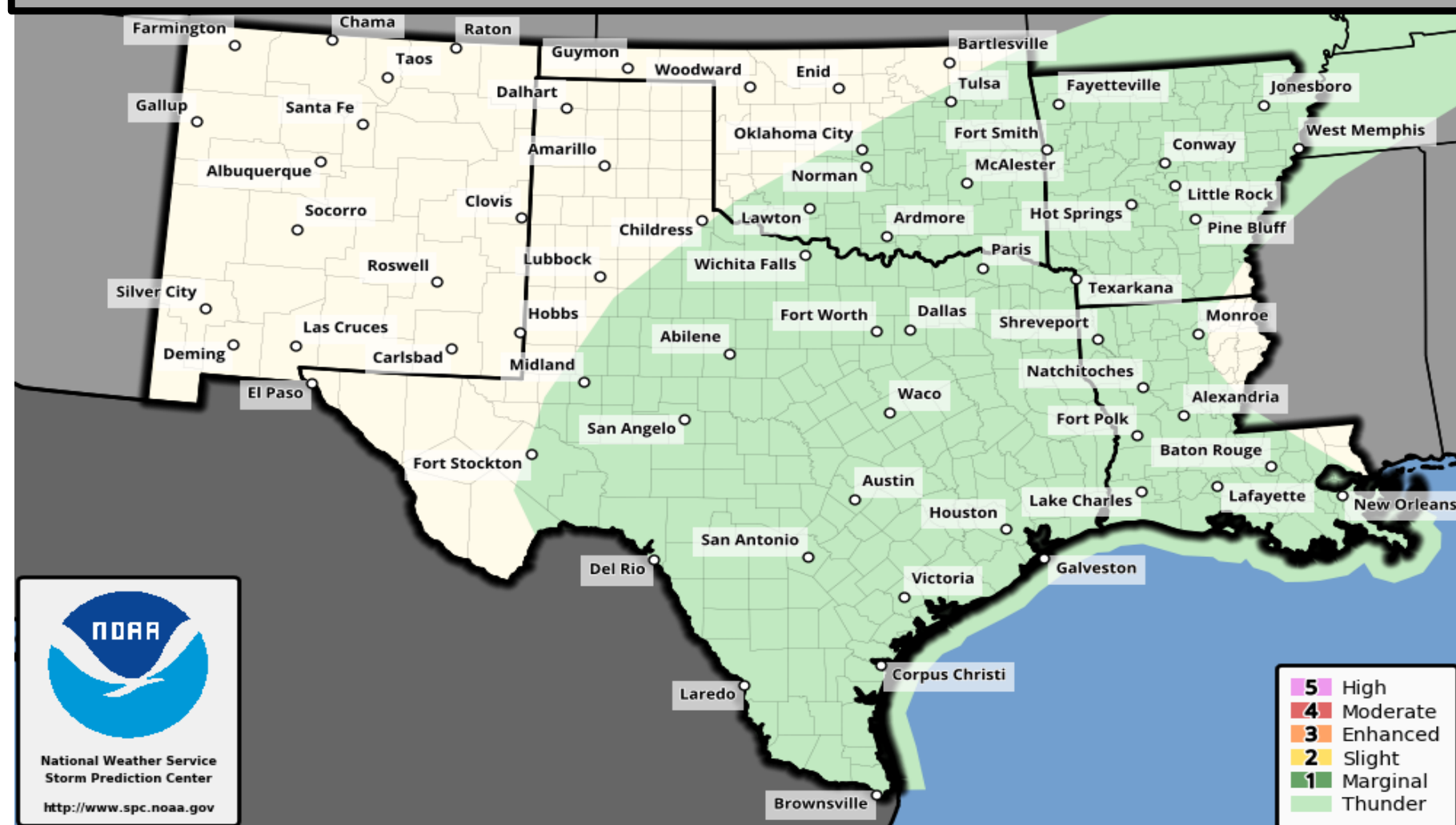


Forecast Rainfall

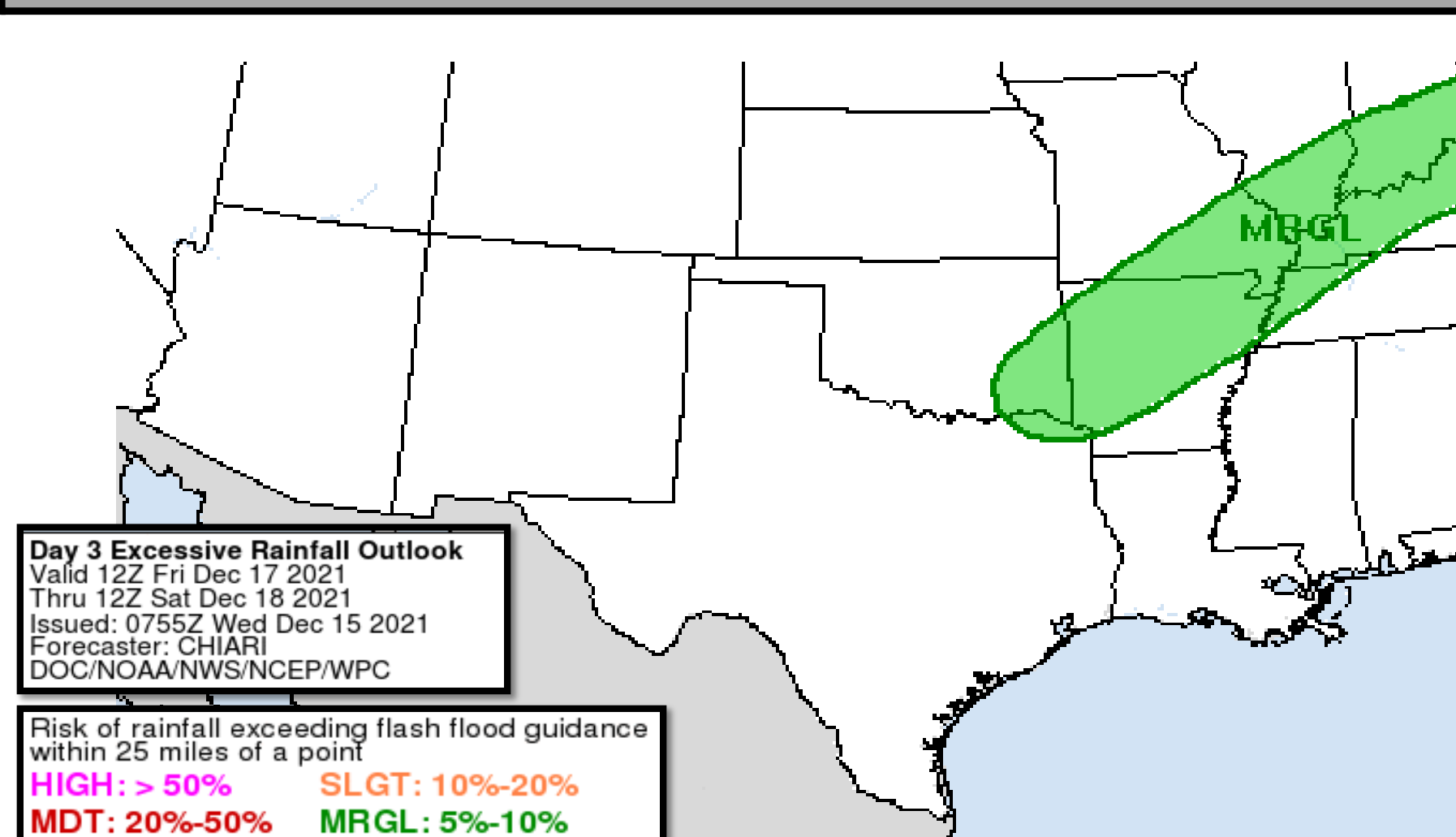


Isolated heavy rainfall and flash flooding potential continues across AR into the Arklatex.

Severe Weather Outlook



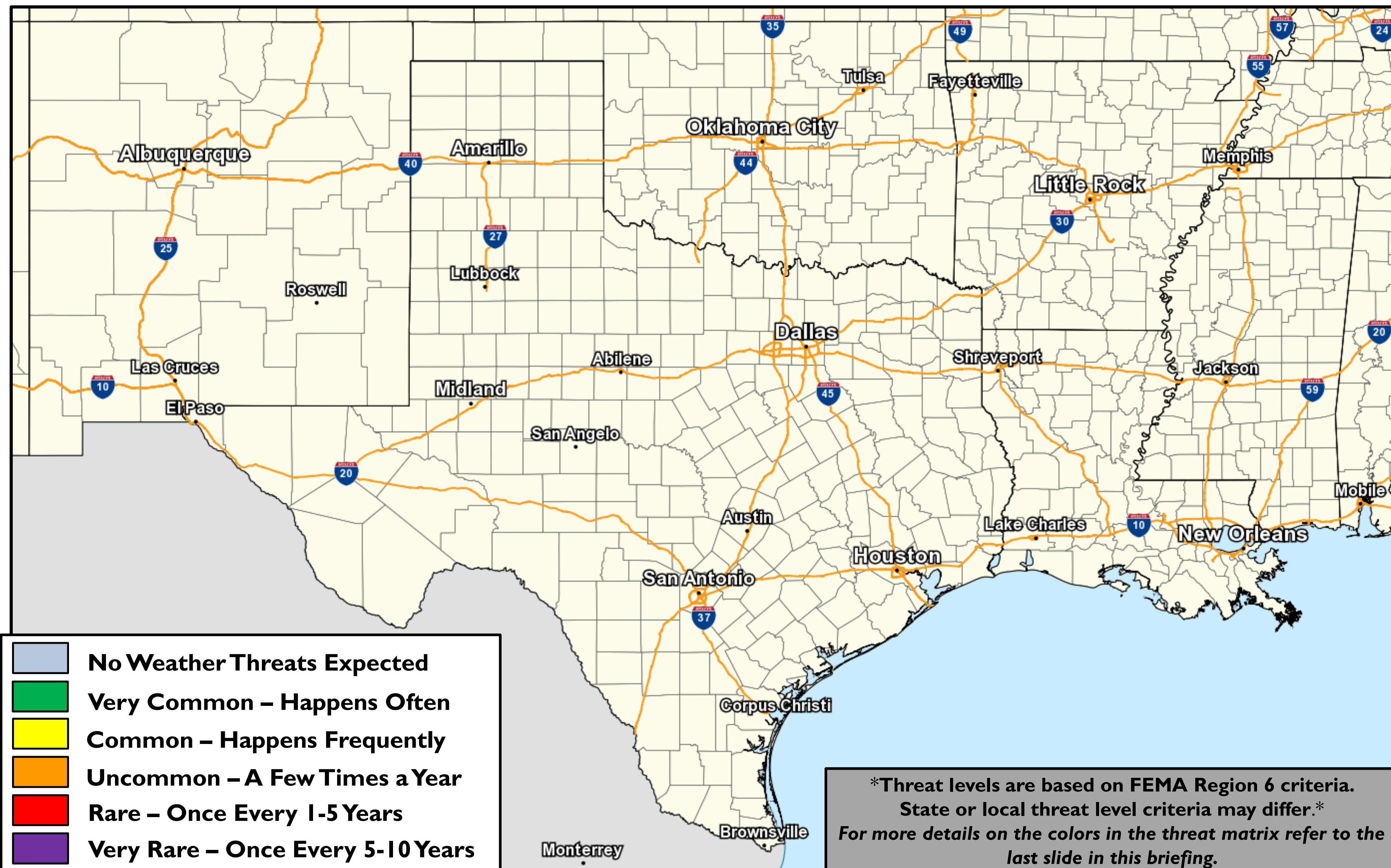
Excessive Rainfall Outlook





Days 4-5 Weather Hazards

Saturday - Sunday

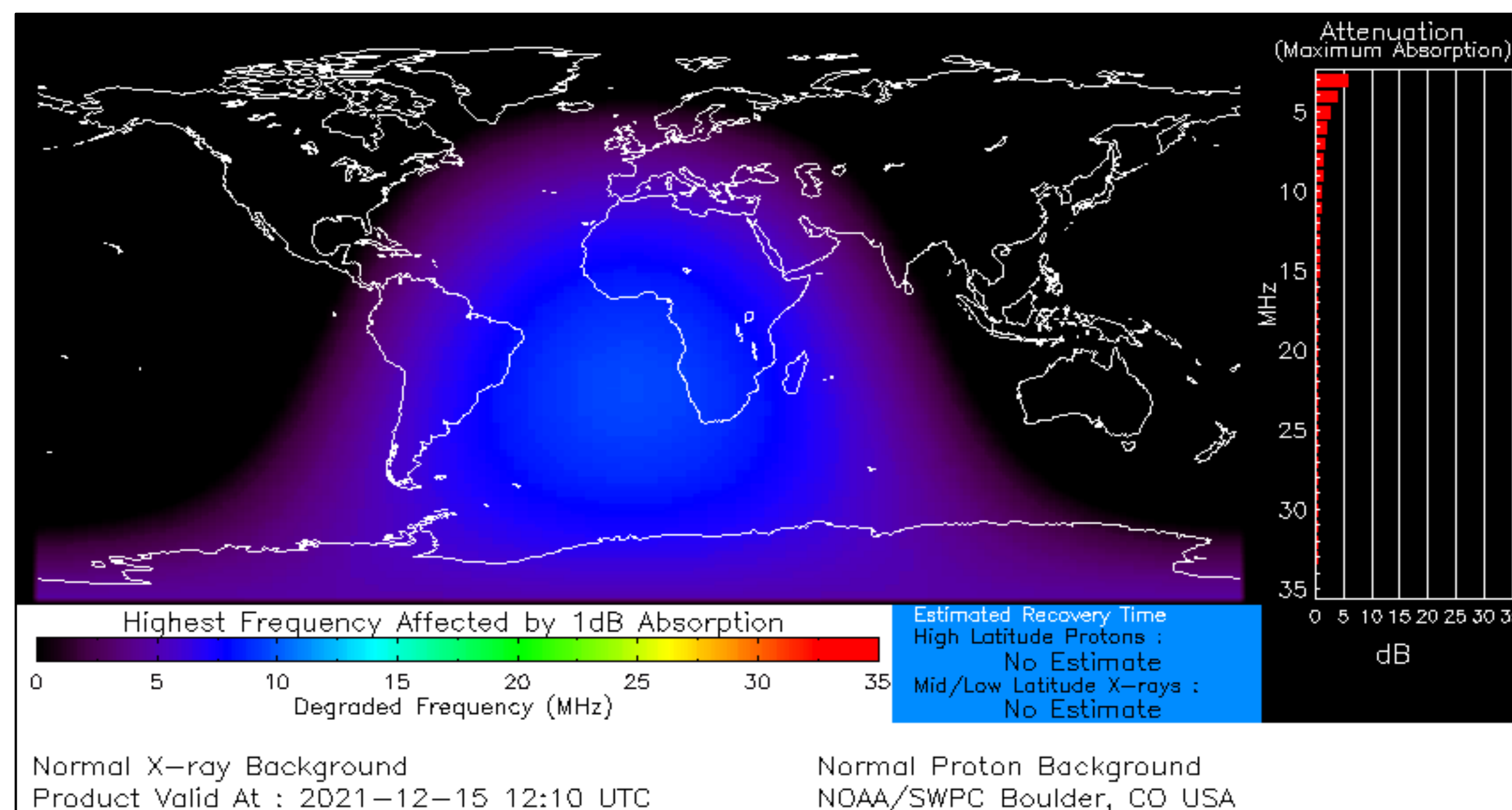


No significant weather expected.



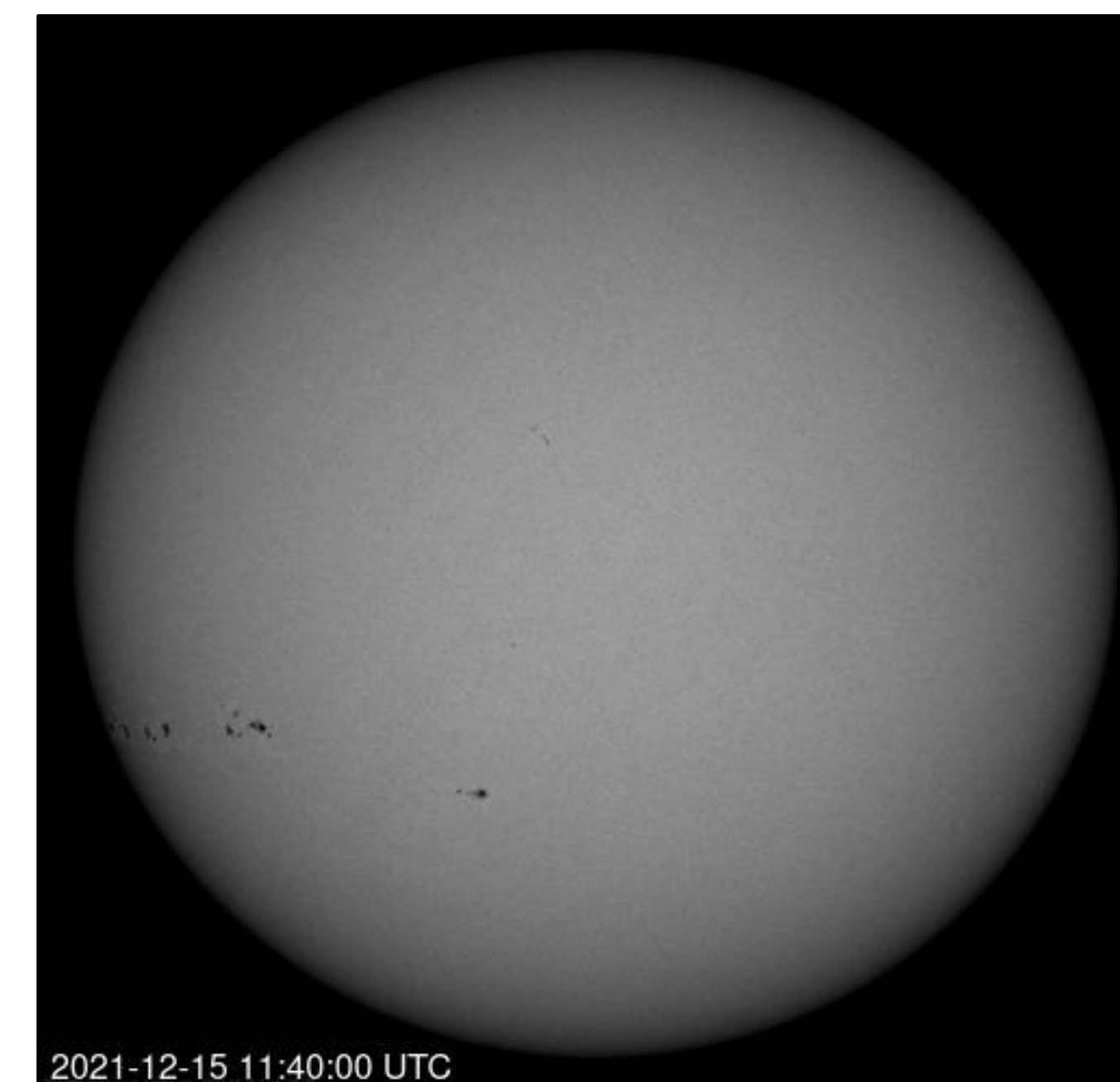
Space Weather 3-Day Forecast

	Wednesday	Thursday	Friday
Geomagnetic Storms	Unsettled to Active (Max Kp = 4)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	15%	15%	15%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





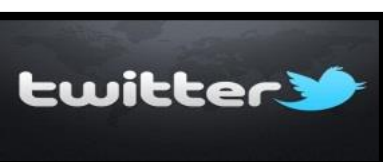
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix for FEMA Region VI

Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as sea breeze storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov